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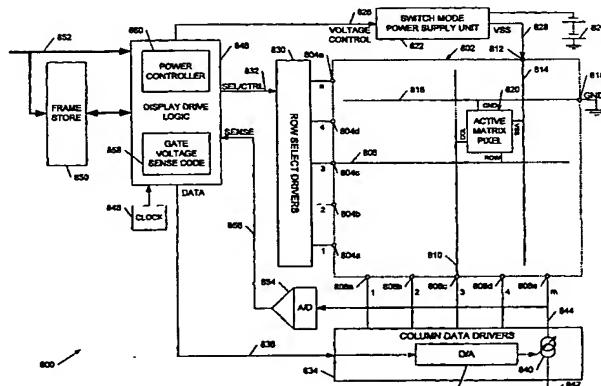
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(54) Title: DATA DRIVER CIRCUIT FOR OLED DISPLAY



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(57) Abstract: This invention generally relates to display driver circuits for electro-optic displays, and more particularly relates to circuits and methods for driving active matrix organic light emitting diode displays with greater efficiency. A display driver (800) for an electroluminescent display (802), comprises a plurality of electroluminescent display elements each associated with a display element driver circuit (820), each said display element driver circuit including a drive transistor having a control connection for driving the associated display element in accordance with a voltage on the control connection. The display driver comprises at least one display element brightness controller (846) to provide an output to drive a said control connection to control the electroluminescent output from a said display element. A voltage sensor (854, 858) senses the voltage on a said control connection; and a power controller (860) for controls an adjustable power supply for providing an adjustable voltage to said electroluminescent display to power said drive transistors for driving said display elements. The power controller is configured to provide a control signal to adjust said power supply voltage in response to said sensed voltage.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

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Y	page 4, line 19 -page 5, line 13; figure 3 -----	7-13, 15-28
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Y	----- -/-	7-13, 15-28

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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